## INTERNATIONAL SEARCH REPORT

ai Application No Interna PCT/US2004/034010

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12Q1/32 C12Q C12Q1/48 G01N33/573 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q G01N Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, WPI Data, PAJ, CHEM ABS Data, EMBASE C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° 1-17 X CLARK B.R., HALPERN R.M. AND SMITH R.A.: 40-47 "A fluorimetric method for quantitation in . the picomole range of N1-Methylnicotinamide and Nicotinamide in ANALYTICAL BIOCHEMISTRY, no. 68, 1975, pages 54-61, XP009046312 abstract p.61, paragraph 2 page 57, line 6 - line 8 18,25,33 X US 4 166 765 A (WEETALL, HOWARD H) 4 September 1979 (1979-09-04) column 1, line 49 - line 68 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international \*X\* document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but "&" document member of the same patent family later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 02/05/2005 14 April 2005 Name and mailing address of the ISA **Authorized officer** European Patent Office, P.B. 5818 Patentlaan 2

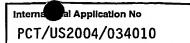
1

NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Fax: (+31-70) 340-3016

Jacques, P

## INTERNATIONAL SEARCH REPORT



	PCT/US2004/034010	
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
PUTT K S ET AL: "An enzymatic assay for poly(ADP-ribose) polymerase-1 (PARP-1) via the chemical quantitation of NAD<+>: application to the high-throughput screening of small molecules as potential inhibitors"  ANALYTICAL BIOCHEMISTRY, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 326, no. 1, 1 March 2004 (2004-03-01), pages 78-86, XP004488913 ISSN: 0003-2697 the whole document	1-53	
WO 2004/064739 A (ELIXIR PHARMACEUTICALS, INC; NAPPER, ANDREW; HIXON, JEFFREY; MCDONAGH,) 5 August 2004 (2004-08-05) the whole document	1-53	
BROWN JANICE A ET AL: "Development of a high-throughput screening-amenable assay for human poly(ADP-ribose) polymerase inhibitors."  JOURNAL OF PHARMACOLOGICAL AND TOXICOLOGICAL METHODS, vol. 47, no. 3, 2002, pages 137-141, XP002324564 ISSN: 1056-8719 the whole document	1-53	
DECKER P ET AL: "An improved nonisotopic test to screen a large series of new inhibitor molecules of poly(ADP-ribose) polymerase activity for therapeutic applications."  CLINICAL CANCER RESEARCH: AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. MAY 1999, vol. 5, no. 5, May 1999 (1999-05), pages 1169-1172, XP002324565 ISSN: 1078-0432 the whole document	1-53	
CHEUNG ANISSA ET AL: "A scintillation proximity assay for poly(ADP-ribose) polymerase" ANALYTICAL BIOCHEMISTRY, vol. 282, no. 1, 15 June 2000 (2000-06-15), pages 24-28, XP002324566 LISSN: 0003-2697 the whole document	1-53	
	poly(ADP-ribose) polymerase-1 (PARP-1) via the chemical quantitation of NAD<+>: application to the high-throughput screening of small molecules as potential inhibitors"  ANALYTICAL BIOCHEMISTRY, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 326, no. 1, 1 March 2004 (2004-03-01), pages 78-86, XPO04488913 ISSN: 0003-2697 the whole document  WO 2004/064739 A (ELIXIR PHARMACEUTICALS, INC; NAPPER, ANDREW; HIXON, JEFFREY; MCDONAGH,) 5 August 2004 (2004-08-05) the whole document  BROWN JANICE A ET AL: "Development of a high-throughput screening-amenable assay for human poly(ADP-ribose) polymerase inhibitors." JOURNAL OF PHARMACOLOGICAL AND TOXICOLOGICAL METHODS, vol. 47, no. 3, 2002, pages 137-141, XPO02324564 ISSN: 1056-8719 the whole document  DECKER P ET AL: "An improved nonisotopic test to screen a large series of new inhibitor molecules of poly(ADP-ribose) polymerase activity for therapeutic applications." CLINICAL CANCER RESEARCH: AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. MAY 1999, vol. 5, no. 5, May 1999 (1999-05), pages 1169-1172, XPO02324565 ISSN: 1078-0432 the whole document  CHEUNG ANISSA ET AL: "A scintillation proximity assay for poly(ADP-ribose) polymerase" ANALYTICAL BIOCHEMISTRY, vol. 282, no. 1, 15 June 2000 (2000-06-15), pages 24-28, XPO02324566 ISSN: 0003-2697	

ī

## BEST AVAILABLE COPY

## INTERNATIONAL SEARCH REPORT

Internal al Application No PCT/US2004/034010

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4166765	Α	04-09-1979	NONE		
WO 2004064739	Α	05-08-2004	WO	2004064739 A2	05-08-2004